LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010885.D
Acq On : 15 May 2019 03:51
Operator : SY/MD
Sample : K2738-15
Misc : 4.34G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB899

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.306	59	67	89	rBV2	235027	357013	13.26%	4.548%
2	1.553	137	144	154	rVB	47749	54801	2.03%	0.698%
3	1.997	271	282	290	rBV9	5808	13853	0.51%	0.176%
4	2.113	308	318	329	rVB	102065	146812	5.45%	1.870%
5	2.196	330	344	377	rBV	1209279	2693264	100.00%	34.312%
6	2.676	479	493	521	rBV	190194	425333	15.79%	5.419%
7	2.997	583	593	608	rVB3	14777	34990	1.30%	0.446%
8	3.544	760	763	769	rVB4	415	446	0.02%	0.006%
9	3.573	769	772	777	rBV3	486	436	0.02%	0.006%
10	3.627	777	789	796	rBV4	426	1081	0.04%	0.014%
11	3.811	835	846	847	rBV2	6143	8312	0.31%	0.106%
12	3.926	871	882	902	rBV	20557	49658	1.84%	0.633%
13	4.393	1009	1027	1053	rBV2	81905	231344	8.59%	2.947%
14	4.556	1075	1078	1085	rVB4	773	832	0.03%	0.011%
15	4.592	1085	1089	1091	rBV3	378	325	0.01%	0.004%
16	4.621	1091	1098	1100	rBV4	1052	1298	0.05%	0.017%
17	4.724	1128	1130	1134	rVB	900	537	0.02%	0.007%
18	4.749	1134	1138	1142	rBV3	371	429	0.02%	0.005%
19	4.984	1206	1211	1215	rBV3	337	302	0.01%	0.004%
20	5.087	1224	1243	1266	rBV2	221735	549420	20.40%	7.000%
21	5.222	1282	1285	1286	rBV2	504	294	0.01%	0.004%
22	5.479	1360	1365	1368	rBV2	615	410	0.02%	0.005%
23	5.556	1379	1389	1393	rBV4	1355	2414	0.09%	0.031%
24	5.656	1407	1420	1437	rBV	166076	330870	12.29%	4.215%
25	5.801	1457	1465	1470	rBV7	3215	5314	0.20%	0.068%
26	5.939	1501	1508	1519	rBV6	2633	4913	0.18%	0.063%
27	5.994	1520	1525	1537	rVV3	1721	3261	0.12%	0.042%
28	6.113	1547	1562	1580	rBV	132078	267380	9.93%	3.406%
29	6.235	1591	1600	1610	rBV4	3864	7966	0.30%	0.101%
30	6.302	1612	1621	1635	rVB6	10027	20927	0.78%	0.267%
31	6.389	1646	1648	1652	rVB2	578	343	0.01%	0.004%
32	6.415	1652	1656	1659	rVB	409	349	0.01%	0.004%
33	6.531	1688	1692	1699	rVB2	584	504	0.02%	0.006%
34	6.608	1711	1716	1717	rBV	876	620	0.02%	0.008%

LSC Area Percent Report

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Acq On : 15 May 2019 03:51
Operator : SY/MD
Sample : K2738-15
Misc : 4.34G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB899

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Title : VOC Analysis

35	6.691	1737	1742	1751	rBV4	816	1111	0.04%	0.014%
36	6.807	1774	1778	1781	rBV2	691	544	0.02%	0.007%
37	6.839	1786	1788	1791	rVB3	450	283	0.01%	0.004%
38	7.026	1832	1846	1864	rBV	67169	118251	4.39%	1.506%
39	7.183	1883	1895	1912	rVB3	12637	25229	0.94%	0.321%
40	7.289	1917	1928	1931	rBV5	2738	4354	0.16%	0.055%
41	7.357	1937	1949	1974	rBV	275987	513034	19.05%	6.536%
42	7.659	2033	2043	2058	rBV	44729	73840	2.74%	0.941%
43	7.727	2063	2064	2070	rVB	594	418	0.02%	0.005%
44	7.904	2110	2119	2124	rBV5	1015	1635	0.06%	0.021%
45	7.981	2132	2143	2151	rBV3	4209	6667	0.25%	0.085%
46	8.129	2178	2189	2220	rBV	77242	142119	5.28%	1.811%
47	8.257	2225	2229	2230	rVV	1128	923	0.03%	0.012%
48	8.286	2232	2238	2249	rVV6	3555	6586	0.24%	0.084%
49	8.331	2249	2252	2253	rVV	1534	982	0.04%	0.013%
50	8.347	2253	2257	2268	rVB7	2734	4227	0.16%	0.054%
51	8.489	2295	2301	2305	rBV3	572	465	0.02%	0.006%
52	8.540	2313	2317	2319	rBV3	485	382	0.01%	0.005%
53	8.698	2361	2366	2370	rBV3	393	353	0.01%	0.004%
54	8.765	2379	2387	2395	rBV3	2139	3713	0.14%	0.047%
55	8.836	2401	2409	2414	rBV5	1640	2558	0.09%	0.033%
56	8.894	2414	2427	2450	rVV	258694	429415	15.94%	5.471%
57	9.074	2471	2483	2493	rBV4	7677	12900	0.48%	0.164%
58	9.174	2511	2514	2515	rBV2	677	325	0.01%	0.004%
59	9.244	2530	2536	2537	rBV2	722	685	0.03%	0.009%
60	9.592	2635	2644	2652	rVV3	8102	13546	0.50%	0.173%
61	9.637	2652	2658	2671	rVB	9834	15641	0.58%	0.199%
62	9.749	2685	2693	2702	rVB4	2154	3595	0.13%	0.046%
63	9.852	2717	2725	2734	rBV5	1908	3059	0.11%	0.039%
64	9.913	2740	2744	2749	rVV3	840	1229	0.05%	0.016%
65	9.965	2751	2760	2771	rVB2	9718	15967	0.59%	0.203%
66	10.055	2778	2788	2800	rBV4	7502	12664	0.47%	0.161%
67	10.141	2802	2815	2829	rBV3	11611	20368	0.76%	0.259%
68	10.260	2838	2852	2864	rBV	119554	185165	6.88%	2.359%
69	10.373	2881	2887	2889	rBV2	497	461	0.02%	0.006%
70	10.421	2889	2902	2911	rBV3	13338	22338	0.83%	0.285%
71	10.550	2933	2942	2950	rBV4	2292	3635	0.13%	0.046%

LSC Area Percent Report

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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB899

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Title : VOC Analysis

72	10.627	2956	2966	2972	rBV5	3081	4608	0.17%	0.059%
73	10.685	2981	2984	2985	rBV3	557	348	0.01%	0.004%
74	10.752	3000	3005	3007	rBV2	1026	898	0.03%	0.011%
75	10.810	3014	3023	3033	rVB3	7303	10778	0.40%	0.137%
76	10.910	3046	3054	3066	rBV3	8110	13654	0.51%	0.174%
77	11.061	3097	3101	3104	rBV3	1375	1271	0.05%	0.016%
78	11.122	3118	3120	3123	rVB3	466	299	0.01%	0.004%
79	11.148	3123	3128	3131	rBV3	819	840	0.03%	0.011%
80	11.193	3136	3142	3150	rVV4	4227	6165	0.23%	0.079%
81	11.241	3153	3157	3159	rBV4	553	380	0.01%	0.005%
82	11.293	3161	3173	3189	rVV	242957	382568	14.20%	4.874%
83	11.437	3214	3218	3225	rVB5	1004	1189	0.04%	0.015%
84	11.572	3248	3260	3275	rBV	42283	73460	2.73%	0.936%
85	11.669	3279	3290	3307	rVB	236148	377663	14.02%	4.811%
86	11.736	3307	3311	3312	rBV3	1326	1137	0.04%	0.014%
87	12.289	3473	3483	3499	rBV4	7757	19120	0.71%	0.244%
88	12.392	3507	3515	3522	rBV5	7415	11326	0.42%	0.144%
89	12.511	3546	3552	3561	rVB4	5481	7453	0.28%	0.095%
90	12.717	3610	3616	3625	rVB2	9163	11247	0.42%	0.143%
91	14.514	4168	4175	4187	rVB2	34949	55803	2.07%	0.711%
92	14.984	4318	4321	4325	rBV4	616	562	0.02%	0.007%
93	15.096	4354	4356	4361	rBV2	405	357	0.01%	0.005%
94	15.157	4370	4375	4378	rBV3	1534	1476	0.05%	0.019%
95	15.408	4450	4453	4455	rBV3	541	336	0.01%	0.004%
96	15.514	4484	4486	4489	rBV	516	315	0.01%	0.004%
97	15.797	4572	4574	4577	rBV4	429	305	0.01%	0.004%
98	16.257	4714	4717	4720	rBV3	614	388	0.01%	0.005%
99	16.366	4748	4751	4753	rVB2	551	295	0.01%	0.004%
100	16.488	4785	4789	4791	rBV3	520	447	0.02%	0.006%

Sum of corrected areas: 7849406

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010885.D
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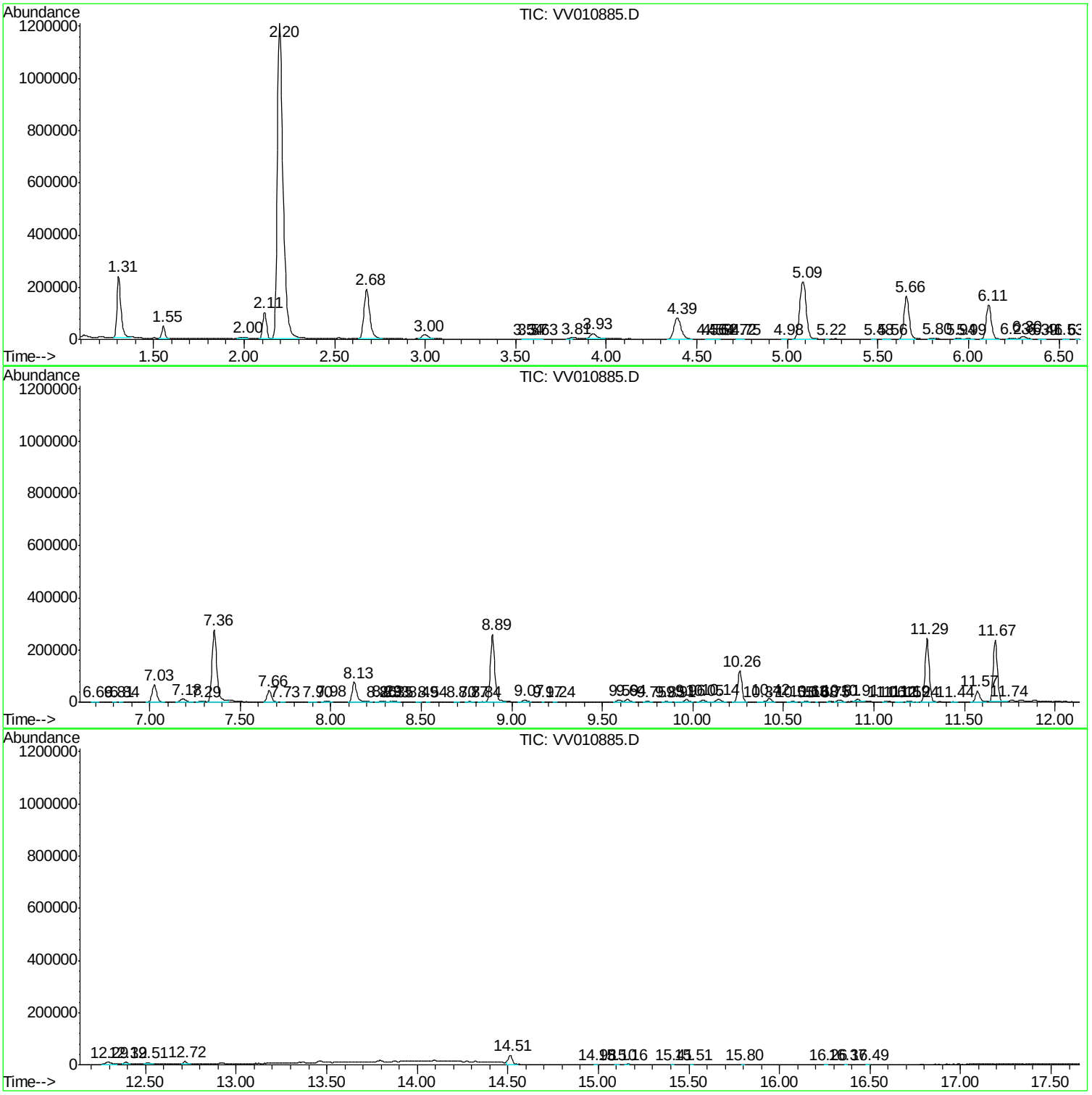
Sample : K2738-15
Misc : 4.34G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB899

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010885.D
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Instrument : MSVOA_V
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

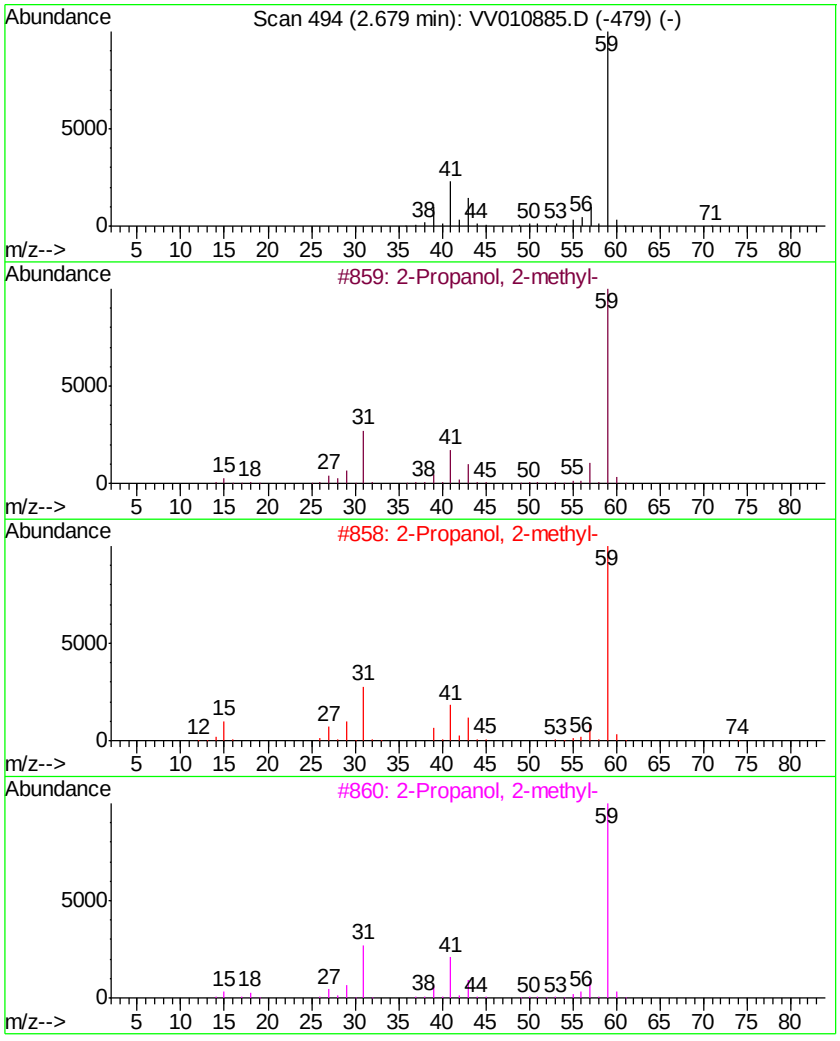
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

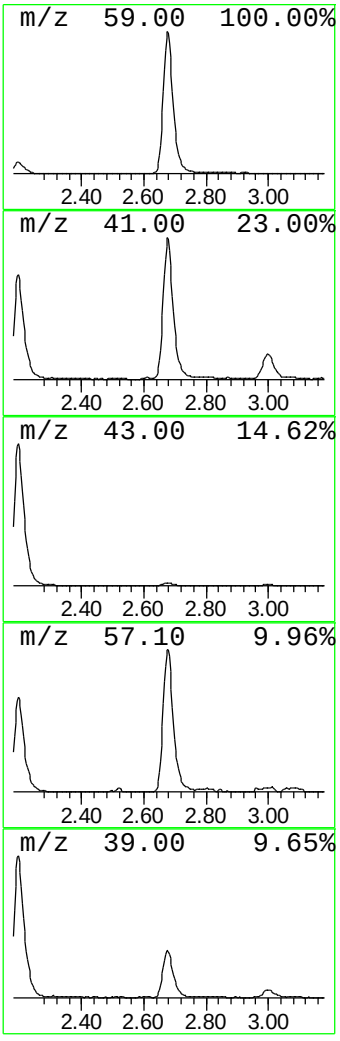
****

Peak Number 1 2-Propanol, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.68	32.14 ug/L	425333	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	78
2	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	64
3	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	64
4	3-Pentanol	88	C5H12O	000584-02-1	56
5	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	9





Library Search Compound Report

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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB899

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

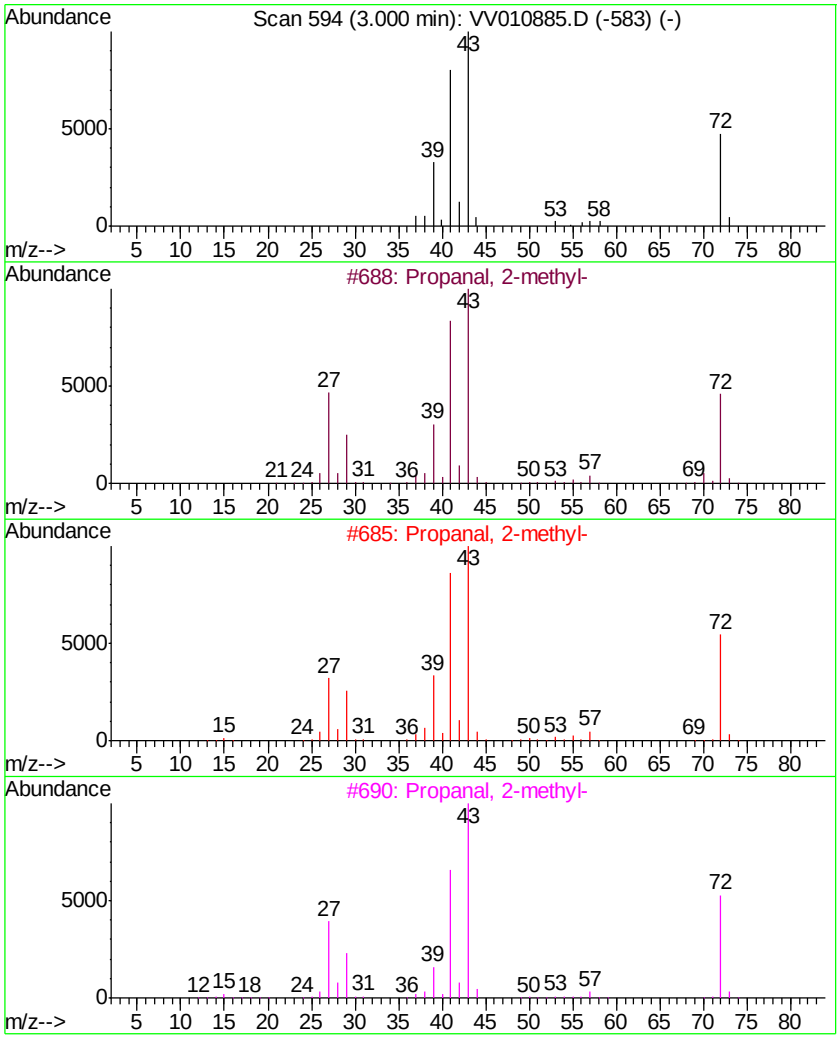
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

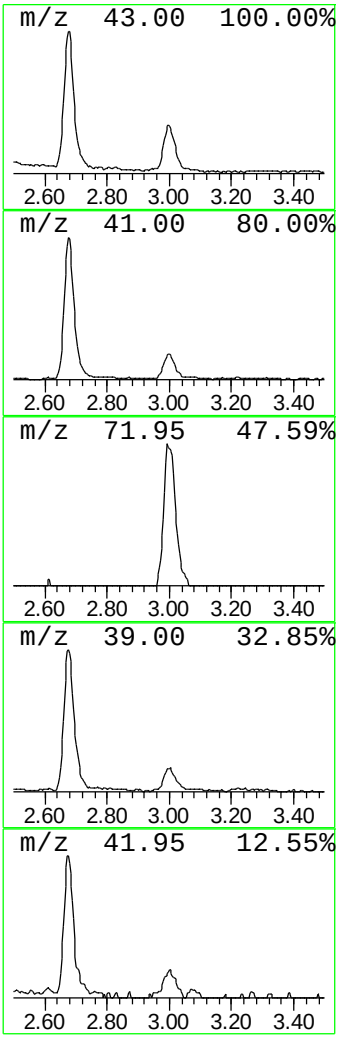
****

Peak Number 2 Propanal, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.00	2.64 ug/L	34990	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanal, 2-methyl-	72	C4H8O	000078-84-2	90
2	Propanal, 2-methyl-	72	C4H8O	000078-84-2	86
3	Propanal, 2-methyl-	72	C4H8O	000078-84-2	78
4	Butanal	72	C4H8O	000123-72-8	42
5	Propanal, 2-methyl-	72	C4H8O	000078-84-2	37





Library Search Compound Report

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ClientSampleId : DB899

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

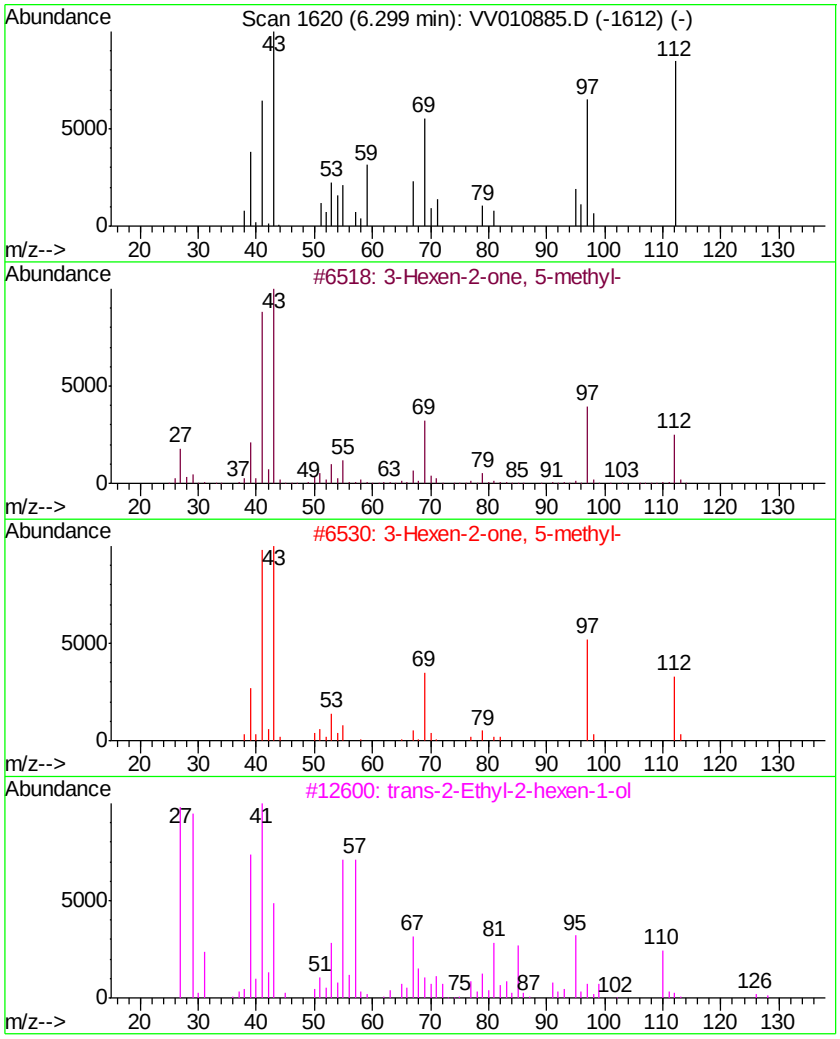
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

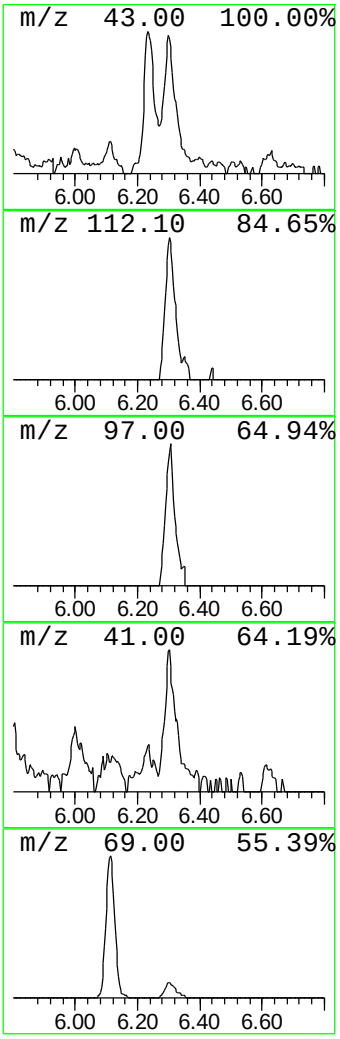
****

Peak Number 3 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.30	1.58 ug/L	20927	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexen-2-one, 5-methyl-	112	C7H12O	005166-53-0	16
2	3-Hexen-2-one, 5-methyl-	112	C7H12O	005166-53-0	16
3	trans-2-Ethyl-2-hexen-1-ol	128	C8H16O	1000139-52-3	16
4	Aziridine, 1,-(1-butenyl)-, (Z)-	97	C6H11N	080839-94-7	14
5	3,5-Hexadien-2-ol, 2-methyl-	112	C7H12O	000926-38-5	12





Library Search Compound Report

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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB899

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

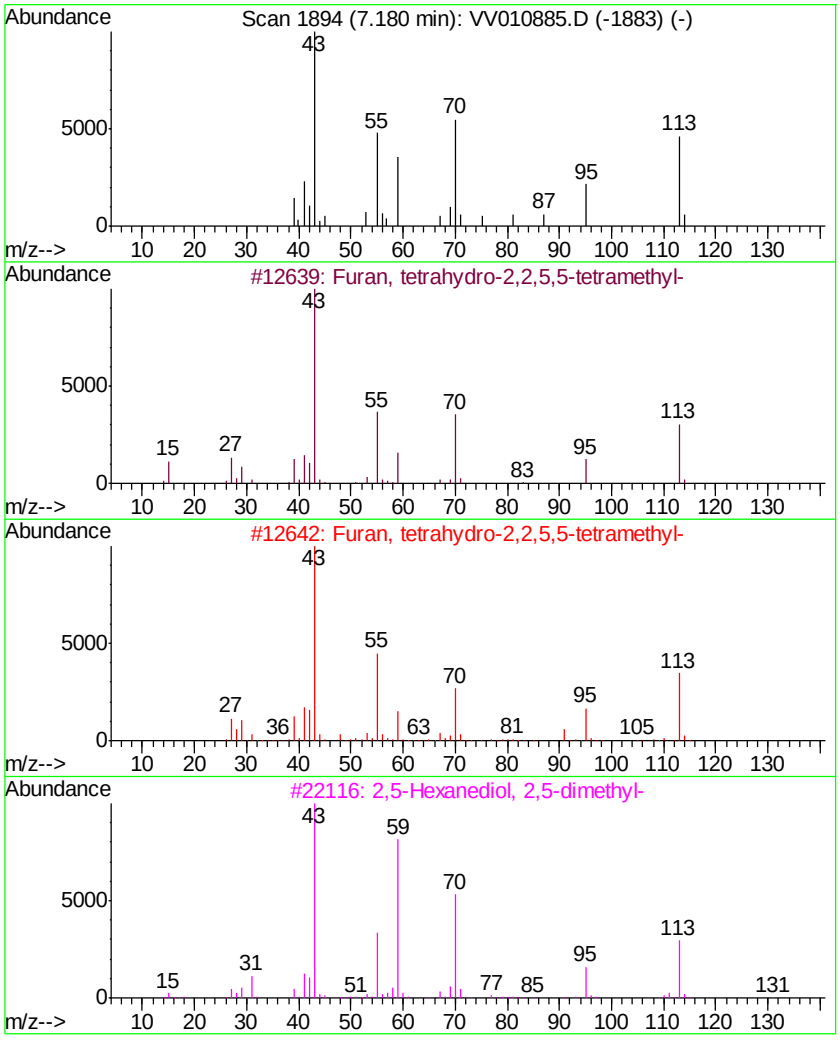
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

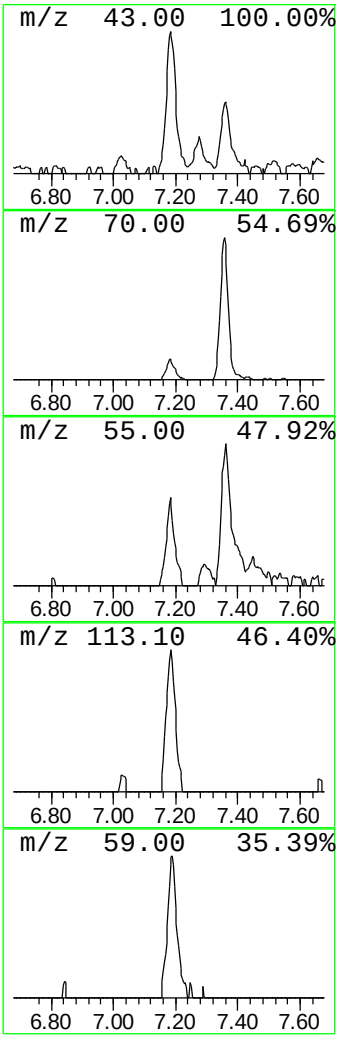
****

Peak Number 5 Furan, tetrahydro-2,2,5,5-t... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	1.91 ug/L	25229	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, tetrahydro-2,2,5,5-tetram...	128	C8H16O	015045-43-9	50
2	Furan, tetrahydro-2,2,5,5-tetram...	128	C8H16O	015045-43-9	38
3	2,5-Hexanediol, 2,5-dimethyl-	146	C8H18O2	000110-03-2	25
4	Heptane, 3-methylene-	112	C8H16	001632-16-2	14
5	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	14





Library Search Compound Report

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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB899

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

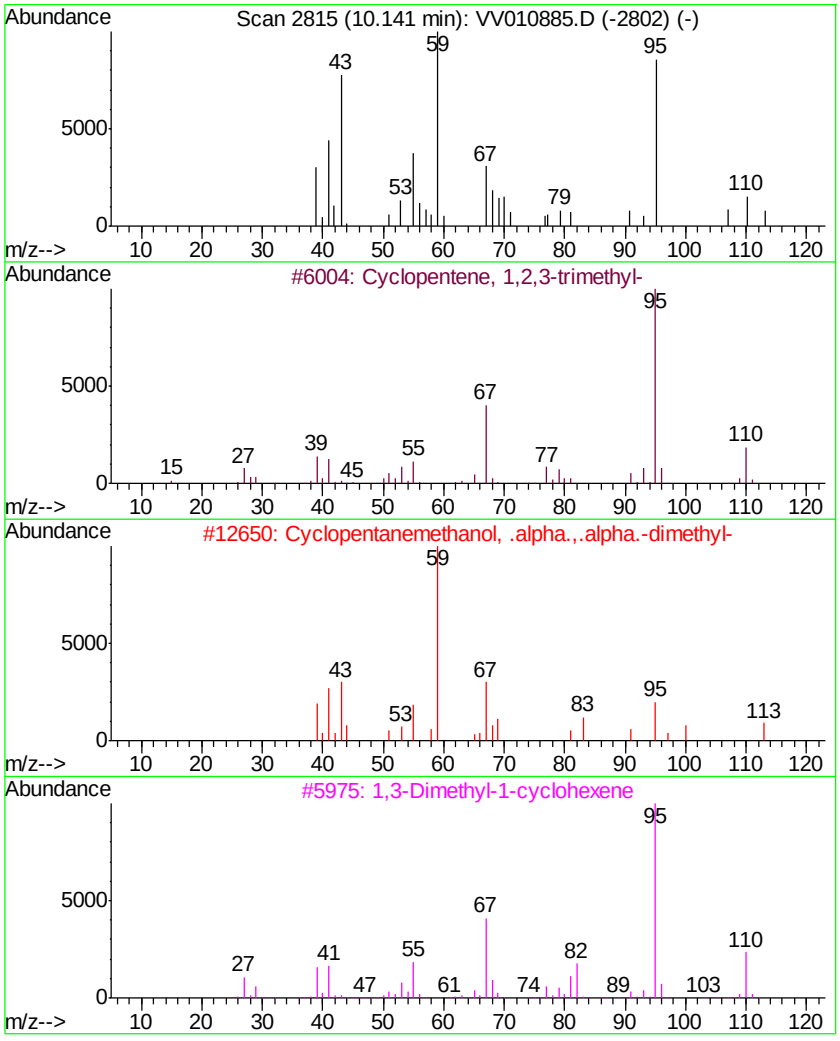
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

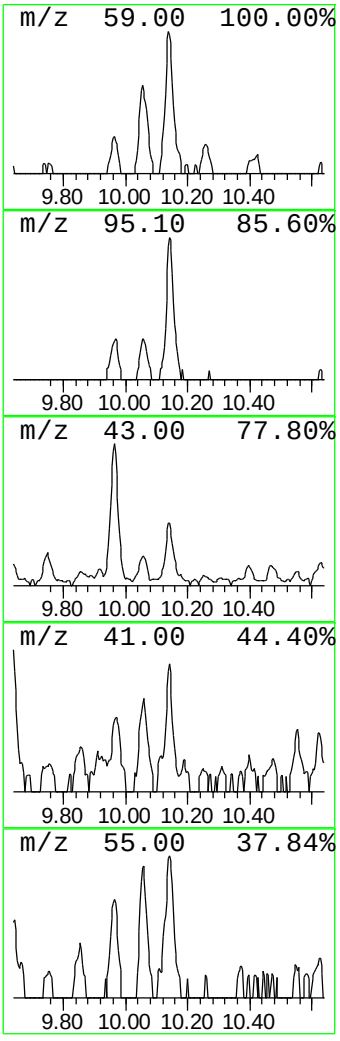
****

Peak Number 6 unknown-02 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.14	1.33 ug/L	20368	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	43
2	Cyclopentanemethanol, .alpha.,.a...	128	C8H16O	001462-06-2	43
3	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	43
4	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	43
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010885.D
Acq On : 15 May 2019 03:51
Operator : SY/MD
Sample : K2738-15
Misc : 4.34G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB899

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

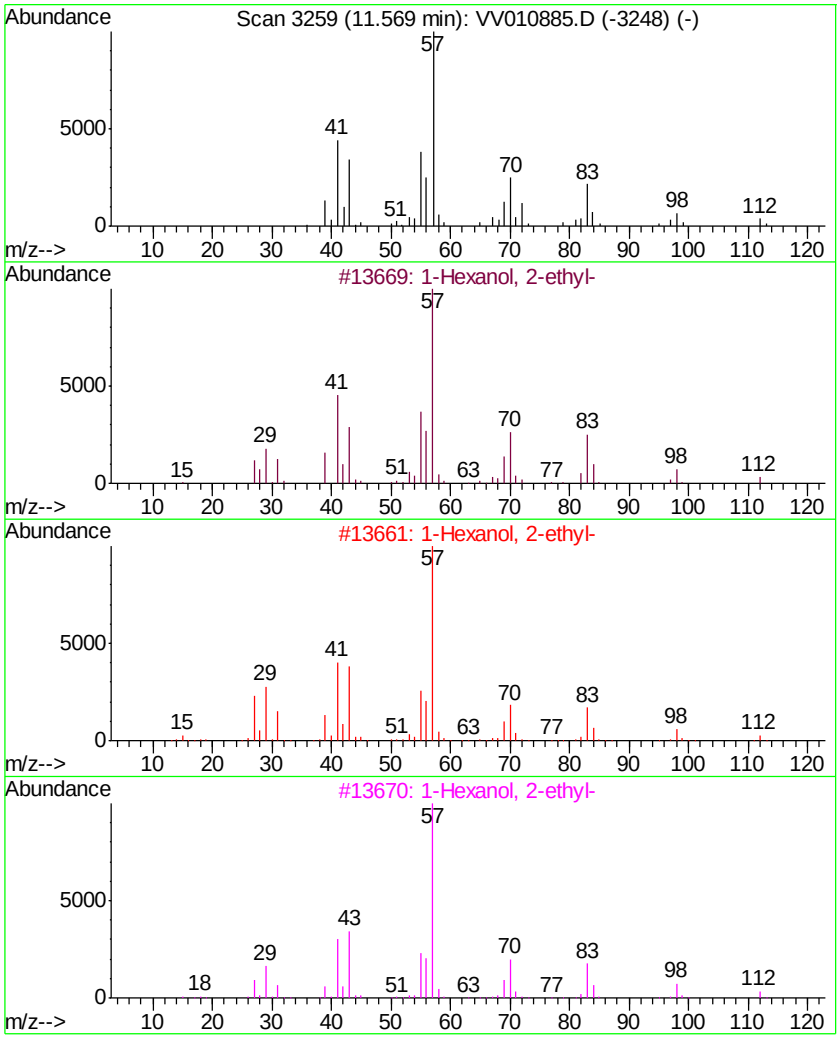
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

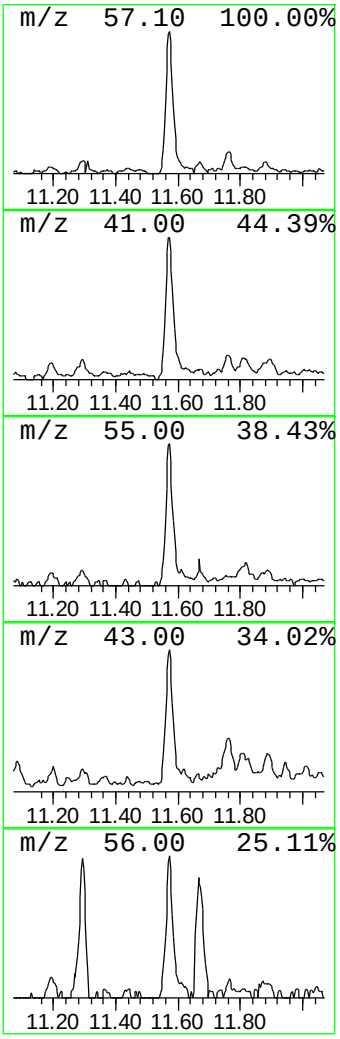
****

Peak Number 8 1-Hexanol, 2-ethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	4.80 ug/L	73460	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	80
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	72
3	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	72
4	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	50
5	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	45





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010885.D
Acq On : 15 May 2019 03:51
Operator : SY/MD
Sample : K2738-15
Misc : 4.34G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB899

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

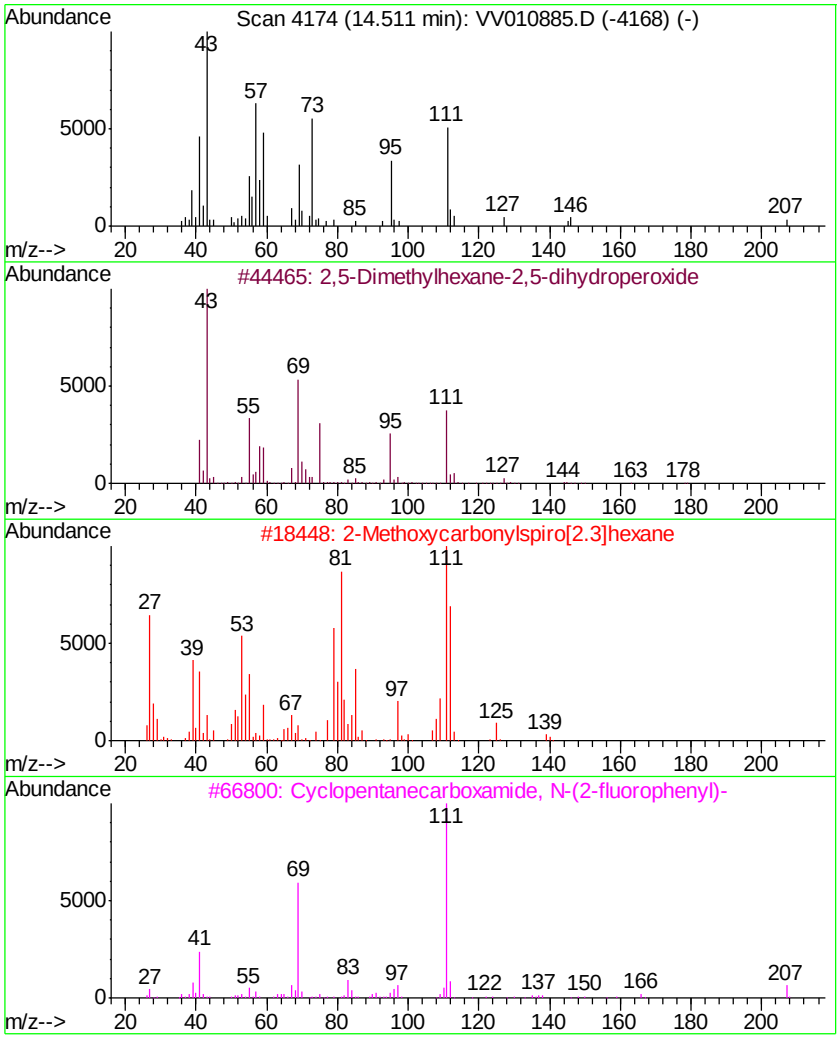
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

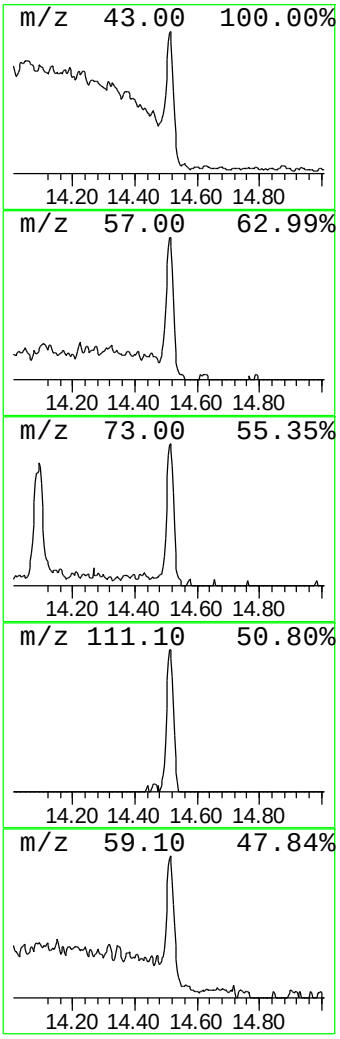
****

Peak Number 9 unknown-03 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	3.65 ug/L	55803	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Dimethylhexane-2,5-dihydrope...	178	C8H18O4	003025-88-5	37
2	2-Methoxycarbonylspiro[2.3]hexane	140	C8H12O2	1000222-10-1	22
3	Cyclopentanecarboxamide, N-(2-fl...	207	C12H14FNO	1000308-60-7	18
4	1-Aziridinecarboxylic acid, 2-cy...	168	C8H12N2O2	067276-82-8	17
5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	14





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010885.D
Acq On : 15 May 2019 03:51
Operator : SY/MD
Sample : K2738-15
Misc : 4.34G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB899

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Propanol, 2-met...	2.68	32.1	ug/L	425333	1	5.66	330870	25.0
Propanal, 2-methyl-	3.00	2.6	ug/L	34990	1	5.66	330870	25.0
unknown-01	6.30	1.6	ug/L	20927	1	5.66	330870	25.0
Furan, tetrahydro...	7.18	1.9	ug/L	25229	1	5.66	330870	25.0
unknown-02	10.14	1.3	ug/L	20368	3	11.29	382568	25.0
1-Hexanol, 2-ethyl-	11.57	4.8	ug/L	73460	3	11.29	382568	25.0
unknown-03	14.51	3.6	ug/L	55803	3	11.29	382568	25.0